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(54) **CONTROL DEVICE FOR AUTOMATIC TRANSMISSION**

(57) Abstract:

PROBLEM TO BE SOLVED: To restrain fluctuation of an output shaft torque upon shifting to improve shifting property, by setting a torque transmitted to a friction clutch to an optimum value in accordance with a condition.

SOLUTION: In this control device for automatic transmission, transmitting a driving force of an engine from an engine output shaft 3 via a first clutch 4 to an input shaft 8 to which a plurality of transmission gears are fixed and a second clutch 10 which transmits the driving force of the input shaft to a driving wheel output shaft in which a plurality of gears are rotatably fitted to one of the plural transmission gears is constituted of the friction clutch. Changeover of the plural driving gears is performed by a claw clutch, the second clutch is operated upon changeover of the plural driving gears when shifting, and a clutch torque of the second clutch is controlled so as to match an engine torque to a torque transmitted by the driving gears. In this control device, a transmission torque adjusting means for supplying clutch pressur of the second clutch determined by the engine torque, an engine speed, and a throttle opening in accordance with each gear stage is provided.